

WEEKLY CROP-WEATHER

MN and U.S. Depts. of Agriculture
PO Box 7068, St. Paul, MN 55107
Phone: (651) 296-2230
E-mail: nass-mn@nass.usda.gov
Homepage: <http://www.nass.usda.gov/mn/>

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MINNESOTA AGRICULTURAL STATISTICS SERVICE IN COOPERATION WITH THE NATIONAL WEATHER SERVICE
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, DNR

RAIN IS NEEDED

Due to hot and dry conditions, rain is needed in most areas of the state, according to the Minnesota Agricultural Statistics Service. Although Minnesota received above normal precipitation early in the growing season, crops are now showing signs of stress due to the lack of topsoil moisture. In the west central portion of the state, burnt spots are showing on light soils. Corn and soybean stands are reported to be uneven. There are areas where soybeans have not recovered from earlier excess moisture.

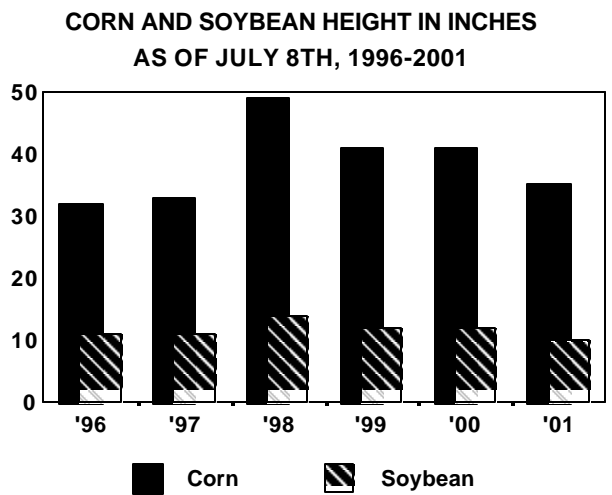
Corn height averaged 35 inches, an increase of 14 inches. This height compares to 45 inches last year and 43 inches for the 5-year average. Tasseling has not yet begun, compared to 3% last year and 5% for the 5-year average. Corn condition is rated 56% good to excellent, up 4 percentage points from the previous week.

Soybean height averaged 10 inches, compared with 13 inches for both a year ago and the 5-year average. Soybeans are 9% blooming, behind last year's 23% and the 5-year average of 16%. The soybean condition rating of good to excellent is 52%, compared to last week's rating of 49%.

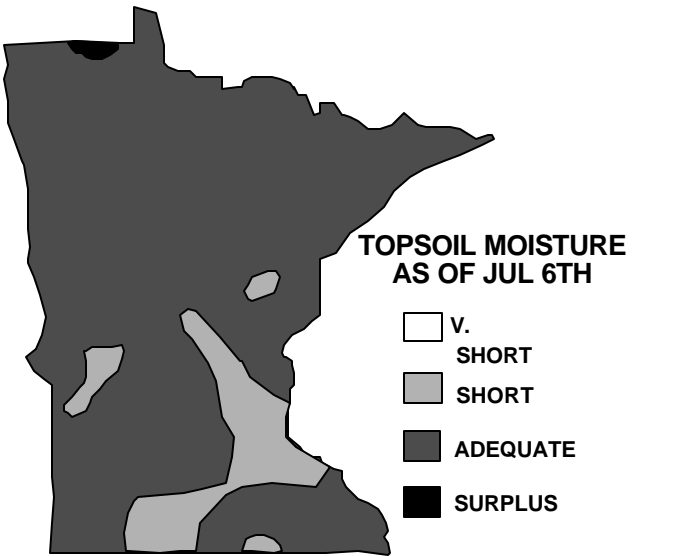
Spring wheat is 88% jointed, compared with 99% last year and 96% for the 5-year average. Spring wheat is heading on 54% of the acres, compared to 94% a year ago and 76% for the 5-year average. Spring wheat conditions are rated 72% good to excellent, compared to the rating the previous week of 82%.

Pasture conditions are rated as 64% good to excellent. The first cutting of alfalfa hay is nearly complete at 99%, compared to the 5-year average of 98%. The second cutting of alfalfa is in full swing.

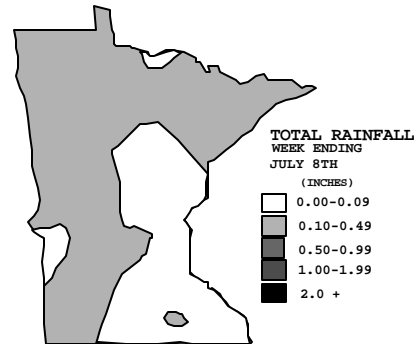
Topsoil moisture conditions across the state as of July 6th were rated 3% very short, 20% short, 71% adequate, and 6% surplus.



Days Suitable for Fieldwork: 6.4								
		Very Short	Short	Ade-quate	Surplus			
Topsoil Moisture (%)		3	20	71	6			
Crop Progress as of July 8, 2001								
Crop	Stage of Development	5 Yr Avg	Last Year	Last Week	This Week			
-----Percent-----								
Corn	Height-Inches	43	45	21	35			
	Tasseling	5	3	NA	0			
Soybeans	Height-Inches	13	13	7	10			
	Blooming	16	23	1	9			
Spring Wheat	Jointed	96	99	78	88			
	Heading	76	94	35	54			
Oats	Turning Ripe	5	8	NA	0			
	Jointed	98	99	87	96			
Barley	Heading	89	94	49	76			
	Turning Ripe	15	26	NA	5			
	Jointed	96	99	83	90			
	Heading	71	93	38	54			
Alfalfa Hay	Turning Ripe	5	10	NA	0			
	First Cutting	98	98	91	99			
Crop Condition as of July 6 th								
	V. Poor	Poor	Fair	Good	Exc.			
Pasture	2	5	29	55	9			
Corn	2	7	35	48	8			
Soybeans	3	8	37	45	7			
Spring Wheat	1	6	21	54	18			
Oats	1	5	20	58	16			
Barley	1	7	26	51	15			
Dry Beans	2	5	24	62	7			
Potatoes	1	2	15	45	37			
Sunflowers	1	5	40	49	5			
Canola	0	6	42	47	5			
Sugarbeets	1	5	20	55	19			
District Progress as of July 6, 2001								
CROP	NW	NC	WC	CENT	EC	SW	SC	SE
Corn height	20	23	32	33	21	27	31	28
Soybean height	9	9	9	10	8	9	9	9



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING JULY 8, 2001:
Temperatures averaged from 4.1 degrees below normal in the Central District to 0.4 degree below normal in the Southwest District. Extremes: 32° in Hibbing;94° in Winona. Precipitation averaged from 0.93 inch below normal in the Southeast District to 0.36 inch below normal in the Northwest District. Greatest weekly total was 0.44 inch.



Precipitation and Temperature Summary for 07/02/2001 through 07/08/2001

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 16	Depart from Norm
<u>NW DIST 1</u>										
Crookston	86	45	64.8	-3.9	.23	-.46	-1.90	-2.23	756	-28
Moorhead	90	45	69.8	-.3	.42	-.22	-.03	.86	792	-38
Warroad	83	42	61.0	-5.5	.43	-.40	.02	4.81	685	14
<u>NC DIST 2</u>										
Grand Rapids	91	42	64.8	-1.6	.07	-.86	-.38	3.53	737	61
Intl. Falls	88	34	61.1	-4.7	.07	-.82	-1.55	2.20	670	16
Itasca	86	42	62.8	-3.8	.39	-.46	-.58	1.36	686	0
<u>NE DIST 3</u>										
Duluth	87	40	62.9	-2.0	.22	-.62	-.92	4.69	588	12
Grand Marais	73	42	53.8	-5.5	.44	-.34	-.47	5.59	272	-119
Hibbing	86	32	60.0	-4.7	.36	-.54	-1.71	.25	628	25
<u>WC DIST 4</u>										
Alexandria	88	51	69.6	-.8	.14	-.63	-2.34m	-1.37m	754	-79
Browns Valley	92	48	69.8	-1.3	.10	-.65	-1.05	3.49	823	-41
Canby	92	49	70.4	-2.6	.05	-.85	-.80	5.58	881	-62
Fergus Falls	88	46	68.0	-1.5	.11	-.69	1.26	4.71	815	7
Montevideo	89m	50m	66.5m	-5.3m	.16m	-.61m	.05m	4.75m	795m	-115m
Morris	89	50m	68.4m	-1.6m	.07	-.73	-.30	4.85	804m	-30m
<u>CENT DIST 5</u>										
Becker	90	47	68.2	-1.2	.13	-.80	-1.05	3.41	817	20
Hutchinson	67m	50m	58.5m	-13.2m	.03m	-.82m	-1.24m	3.18m	737m	-166m
Olivia	90	52	68.8	-3.7	.12	-.71	-1.73	1.62	855	-88
St. Cloud	91	46	68.4	-.8	.09	-.70	-2.96	4.66	765	-26
Staples	85	45	65.0	-2.9	.21	-.74	3.68	7.06	722	-20
Willmar	88	51	68.5	-2.6	.12	-.80	-1.78	.77	828	-57
<u>EC DIST 6</u>										
Aitkin	88	46	66.6	-.7	.06	-.90	.15	5.13	744	30
Cambridge	86m	46m	64.5m	-5.4m	0m	-.93m	-.71m	6.23m	660m	-169m
MSP Airport	93	55	72.5	-.3	0	-.84	1.25	7.07	881	-54
St. Paul - UofM	91	53	71.5	-1.4	.03	-.94	-.89	5.10	904	-67
<u>SW DIST 7</u>										
Lamberton	91	51	70.2	-1.7	.11	-.77	-2.06	2.64	855	-79
Pipestone	89	52	69.8	-.9	.11	-.73	.62	5.43	837	-20
Redwood Falls	91	52	72.4	-.8	.18	-.75	-1.76	1.94	857	-130
Worthington	89	51	71.2	.1	.11	-.69	.30	5.56	868	-15
<u>SC DIST 8</u>										
Faribault	88	36	65.0	-6.2	.08	-.84	1.05	4.91	809	-77
Waseca	88	51	69.2	-1.6	.15	-.81	1.74	5.31	851	-35
Winnebago	89	52	71.6	.1	.07	-.91	-.16	4.99	866	-42
<u>SE DIST 9</u>										
Preston	87	42	66.4	-3.4	.02	-.95	-2.28	2.31	805	-22
Red Wing	88	53	67.6	-1.8	0	-1.02	.36	1.56	841	48
Rochester	92	47	69.0	-1.4	.02	-.92	-.29	8.63	775	-79
Rosemount	87	49	67.5	-3.6	.03	-.91	-.91	2.58	808	-66
Winona	94	48	66.8	-5.3	0	-.91	-.53	3.04	815	-90

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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